

# VC-04 Color Video Camera

## Product Overview

The TDK VC-04 Color Video Camera is a high performance CCD specifically designed for remote monitoring of equipment under EMC testing. The camera is also ideal for wide angle anechoic chamber monitoring, shielded access control, and test action archiving.

**Designed for EMC Testing** The VC-04 is designed to operate in the harsh environments required by EMC testing. The camera is housed in an EMI hardened protective case, and the control and video signals use fiber optics to prevent interference caused by high electromagnetic fields present during EMC testing.

**Full-Featured** The high-resolution VC-04 is remotely focused, positioned, and zoomed using the TDK SI-300CC controller. The camera is available in both NTSC and PAL versions.



**The TDK VC-04 Color Video Camera is designed specifically for remote monitoring of equipment during EMC testing in a shielded room or anechoic chamber.**

## Camera Features

- 1/4" CCD; high resolution; NTSC and PAL versions
- EMI shielded to >200 V/m (DC to 18 GHz); Shielded 12 Vdc or universal AC adapter operated
- Pan/tilt mechanism
- Remote control for pan/tilt, focus, zoom, iris control
- Computer control with IEEE-488 option
- Audio option provides both audio and visual monitoring

## VCS-04 Video Camera System Components

- One VC-04 Color Video Camera
- SI-300CC Camera Controller capable of controlling up to four VC-04 cameras
- A 15" high resolution CRT monitor
- One set of 25m fiber optic cables
- Either AC power or DC battery pack

## Options

- Built-in audio
- Flat panel high resolution LCD monitor
- VCMS-150R Video Camera Monopod Stand
- VCWM Video Camera Wall Mount
- AC power or DC battery pack

# VC-04 Color Video Camera

## Overall Dimensions

|                        |  |
|------------------------|--|
| With pan/tilt unit:    | 10.5" H x 6.2" D x<br>3.0" W (26.7 cm x<br>15.8 cm x 7.6 cm) |
| Without pan/tilt unit: | 5.0" H x 6.2" D x<br>3.0" W (12.7 cm x<br>15.8 cm x 7.6 cm)  |

## Electrical Specifications

|                        |  |
|------------------------|--|
| Image:                 | 1/4" IT CCD Active<br>Picture Elements |
| NTSC:                  | 768 (H) x 494 (V)                      |
| PAL:                   | 752 (H) x 582 (V)                      |
| Resolution:            |  |
| NTSC:                  | 470 (H) x 350 (V)                      |
| PAL:                   | 460 (H) x 400 (V)                      |
| Signal to Noise Ratio: | min 49 dB                              |
| Video Output:          | Optically encoded<br>NTSC or PAL       |
| Color Balance:         | Automatic Synchroni-<br>zation         |

## Motor Box Specifications

|   |  |
|---|--|
| Houses the motors which power the pan/tilt mechanism. |  |
| Power:  | 110-220 VAC /<br>12 VDC  |
| Dimensions:   | 7.0" H (including<br>mount) x 7" D x 4.7"<br>W (18 cm x 12 cm x<br>7.6 cm) |
| Construction:   | Painted steel  |

## Optical Capabilities

|                          |                                      |
|--------------------------|--------------------------------------|
| Focal Length:            | 3.5 – 91 mm                          |
| Zoom:                    | 26x Optical zoom<br>12x Digital zoom |
| Angular Field of View:   | 55° wide; 2.3° tele-<br>photo        |
| Minimum Object Distance: | 35 mm (wide);<br>800 mm (telephoto)  |
| Fiber Optic Cable:       | 62.5 u glass fiber                   |
| Iris Control:            | Manual and<br>Automatic              |
| Minimum Illumination:    | 0.7 lux                              |

## Ordering Information

|               |              |
|---------------|--------------|
| Product:      | Video Camera |
| Model Number: | VC-04        |
| Warranty:     | 1 year       |

**To place an order or to learn more about the TDK RF Solutions products that best meet your needs, contact your TDK sales representative:**

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